Friday, 01/08/2008 10:46:19 AM

User:

Julie Lecoca

Process Sheet

Customer

: CU-DAR001 Dart Helicopters Services

Job Number

: 40918 : 13306

: 01/08/2008

Estimate Number P.O. Number

This Issue

Prsht Rev.

: NC

First Issue **Previous Run** : 11 : 40917

Type : SMALL /MED FAB

S.O. No. :

Part Number

Drawing Name

: D412769043

: AFT FACING SEAT ASS'Y LH

Drawing Number

: D412-769-1 REVB

Project Number Drawing Revision

: N/A

Material

; B

Due Date

: 22/08/2008

Qtv:

1 Um:

Each

Written By

Checked & Approved By

Comment

: Est rev A

DD verified by:EC

08-07-17 revB as per dwg DD verified by:ec Est Rev:B

Additional Product

Job Number:



Seq. #:

Machine Or Operation:

Description:

1.0

2.0

PACKAGING 1

PACKAGING RESOURCE #1

Comment: PACKAGING RESOURCE #1

Pick Packing Kit

D3782045

Back Leg Assembly



Comment: Qty.:

2.0000 Each(s)/Unit Total:

2.0000 Each(s)

Back Leg Assembly

batch: D3782041 408

Front Inboard Leg Assembly

3.0

Comment: Qty.: 1.0000 Each(s)/Unit

Total:

1.0000 Each(s)

Front Inboard Leg Assembly batch:

Front Outboard Leg Assembly, LH

D3782043

Comment: Qty.:

1.0000 Each(s)/Unit Total: Front Outboard Leg Assembly, LH

1.0000 Each(s)

batch:

08/10/16

FF 08/10/16

D3783041

Lateral Brace Assembly



Comment: Qty.:

1.0000 Each(s)/Unit

Total:

1.0000 Each(s)

Lateral Brace Assembly batch:

N/O:			WORK ORDER O	HANGES				
DATE	STEP		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	
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Part No	:	PAR #:	Fault Category:	NCR: Yes	No DQ	A:	Date:	··············.
				04.	N/C Close	d·	Date	

NCR: WORK ORDER NON-CONFORMANCE (NCR)						WORK ORDER NON-CONFORMANCE (NCR)		
		Description of NC		Corrective Action Section B		Verification	Approval	Approval QC Inspector
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	
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Friday, 01/08/2008 10:46:19 AM .Date: User: Julie Lecoca **Process Sheet** Drawing Name: AFT FACING SEAT ASS'Y LH Customer: CU-DAR001 Dart Helicopters Services Job Number: 40918 Part Number: D412769043 Job Number: Seq. #: **Machine Or Operation:** Description: D3783043 Longitudinal Brace Assembly 6.0 Comment: Qty.: 2.0000 Each(s)/Unit 2.0000 Each(s) Total: Longitudinal Brace Assembly batch: 46875 D3783045 7.0 Angle Brace Assembly Q Comment: Qty.: 1.0000 Each(s)/Unit Total: 1.0000 Each(s) Angle Brace Assembly batch: B 40876-5 Seat Support Assembly, Center Comment: Qty.: 1.0000 Each(s)/Unit Total: 1.0000 Each(s) Seat Support Assembly, Center 408 batch: 9.0 D3784043 Seat Support Assembly, LH Comment: Qty.: 1.0000 Each(s)/Unit Total: 1.0000 Each(s) Seat Support Assembly, LH 40879 batch:_ D3784044 10.0 Seat Support Assembly, RH Comment: Qty.: 1.0000 Each(s)/Unit Total: 1.0000 Each(s) Seat Support Assembly, RH 40279 batch: D37661 Front Rail, LH 11.0 Comment: Qty.: 1.0000 Each(s)/Unit Total: 1.0000 Each(s) Front Rail 40867 batch: 12.0 D37663 Rear Rail Comment: Qty.: Total: 1.0000 Each(s) 1.0000 Each(s)/Unit Rear Rail 40865 batch:

W/O:		WORK ORDER O	CHANGES	
DATE	STEP	PROCEDURE CHANGE	By Date Qty Approval Chief Eng / Prod Mgr QC	proval Inspector
Dart No	,•	DAD #· Fault Category:	NCP: Ves No DOA: Date:	

Part No:	PAR #:	Fault Category:	NCR: Yes No	DQA:	Date:
			QA: N/C C	losed:	Date:

NCR:		WORK ORDER NON-CONFORMANCE (NCR)								
		Description of NC		Corrective Action Section B		Verification	Approval Chief Eng	Approval QC Inspector		
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C				
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Friday, 01/08/2008 10:46:19 AM Date: User: Julie Lecocq **Process Sheet** Drawing Name: AFT FACING SEAT ASS'Y LH Customer: CU-DAR001 Dart Helicopters Services Job Number: 40918 Part Number: D412769043 Job Number: Seq. #: **Description: Machine Or Operation:** D37671 Upper Rail 13.0 Comment: Qty.: 1.0000 Each(s)/Unit Total: 1.0000 Each(s) Upper Rail 40966 batch 14.0 D37921 Seat Belt Eye Bolt Comment: Qty.: Total: 3.0000 Each(s)/Unit 3.0000 Each(s) Seat Belt-Eye Bolt batch: 41933 15.0 AN415A Bolt Comment: Qty.: Total: 2.0000 Each(s) Bolt batch: EYE BOLT AN45 13A 16.0 Comment: Qty.: Total: 1.0000 Each(s) **EYE BOLT** batch:_ 17.0 AN510A Bolt Comment: Qty.: 6.0000 Each(s)/Unit Total: 6.0000 Each(s) Bolt 4108827 batch: AN513A Bolt 18.0 Comment: Qty.: Total: 2.0000 Each(s)/Unit 2.0000 Each(s) Bolt 4108167 batch: Washer 19.0 Comment: Qty.: 21.0000 Each(s) Washer (or NAS1149D0363J) batch:

W/O:		WORK ORDER CHANGES	WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	
Dart No		DAD # Foult Cotomon	OD: V:	No DO		Data		

Part No:	PAR #: Fau	ılt Category:	NCR: Yes No	DQA:	Date:
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NCR: WORK ORDER NON-CONFORMANCE (NCR)					4.			
		Description of NC	Description of NC Corrective Action Section B				Annroyal	Annroyal
DATE	STEP	Section A	Initial Chief Eng	Initial Action Description Chief Eng	Approval Chief Eng	Approval QC Inspector		
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Friday, 01/08/2008 10:46:19 AM Date: Julie Lecocq User: **Process Sheet** Drawing Name: AFT FACING SEAT ASS'Y LH Customer: CU-DAR001 Dart Helicopters Services Part Number: D412769043 Job Number: 40918 Job Number: Sea. #: Description: **Machine Or Operation:** AN960JD416 Washer 20.0 Total: Comment: Qty.: 4.0000 Each(s)/Unit 4.0000 Each(s) Washer batch: M/08827 (or NAS1149D0463J) batch: AN960JD516 Washer 21.0 Comment: Qty.: 20.0000 Each(s)/Unit Total: 20.0000 Each(s) Washer batch: (or NAS1149D0568J) batch: AN52510R24 22.0 Comment: Qty.: 9.0000 Each(s)/Unit Total: 9.0000 Each(s) Screw batch: MID887 23.0 MS21042L3 Comment: Qty.: Total: Nut batch: M10162 24.0 Comment: Qty.: Total: 2.0000 Each(s) Nut batch: MS21042L5 Nut 25.0 Comment: Qty.: 12.0000 Each(s)/Unit Total: 12.0000 Each(s) Nut M108/61 batch:

Dart	Aeros	space	Ltd

W/O:			WORK ORDER CHANGES								
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Part No:	PAR #:	Fault Category:	NCR: Yes No DQA:	Date: _	
		•	QA: N/C Closed:	Date:	

NCR: WORK ORDER NON-CONFORMANCE (NCR)							
		Description of NC		Corrective Action Section B	Verification	Approva	A
DATE	STEP	Section A	Initial Chief Eng	Initial Action Description Sign &		Chief Eng	Approval QC Inspector
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Friday, 01/08/2008 10:46:19 AM Date: User: Julie Lecoca **Process Sheet** Drawing Name: AFT FACING SEAT ASS'Y LH Customer: CU-DAR001 Dart Helicopters Services Job Number: 40918 Part Number: D412769043 Job Number: Seq. #: Description: **Machine Or Operation:** SMALL & MEDIUM FAB RESOURCE 1 SMALL FAB 1 26.0 Comment: SMALL & MEDIUM FAB RESOURCE 1 FF 08/10/15 1- assemble as per dwg D412-769-1 INSPECT WORK TO CURRENT STEP 27.0 QC5 Comment: INSPECT WORK TO CURRENT STEP POWDER COATING POWDER COATING 28.0 Comment: POWDER COATING 1- mask D3782-041 and D3782-043 front legs and D3787-1 foot as per dwg D412-769-041 2- Powder coat remainig of assembly grey as per dwg D412-769-1 Powder Coat Grey Sandtex (Ref: 4.3.5.6) as per QSI 005 4.3 START TIME: **OVEN TEMPERATURE:** FINISH TIME: 29.0 QC3 INSPECT POWDER COAT/CHEMICAL CONVERS Comment: INSPECT POWDER COAT/CHEMICAL CONVERSION PACKAGING 1 PACKAGING RESOURCE #1 30.0 Comment: PACKAGING RESOURCE #1 Pick Packing Kit 31.0 D37751 Guard Total: Comment: Qty.: 2.0000 Each(s) 2.0000 Each(s)/Unit FF 08/10/16/2 Guard batch:

рап Ае	rospace	e Lta							
W/O:			WO	RK ORDER CHANG	SES	· · · · · · · · · · · · · · · · · · ·			
DATE	STEP	PROCEDURE CHANGE				Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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Part No	:	PAR #:	Fault Categ	ory:				Date: _ Date:	
NCR:		٥- ١	WORK ORDE	R NON-CONFORM					
DATE	STEP	Description of NC Section A	Initial Chief Eng	Corrective Action Section Action Description Chief Eng	Sign & Date	Verifica Section		Approval Chief Eng	Approval QC Inspector
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Friday, 01/08/2008 10:46:19 AM Date: User: Julie Lecoca **Process Sheet** Drawing Name: AFT FACING SEAT ASS'Y LH Customer: CU-DAR001 Dart Helicopters Services Job Number: 40918 **Part Number:** D412769043 Job Number: Seq. #: **Machine Or Operation: Description:** 32.0 D37741 Seat Bottom, LH/RH Comment: Qty.: 1.0000 Each(s)/Unit Total: 1.0000 Each(s) Seat Bottom, LH पा ०४५ batch: D37743 33.0 Seat Back, LH/RH Comment: Qty.: 1.0000 Each(s)/Unit Total: 1.0000 Each(s) Seat Bottom, LH 40 SCB batch: 34.0 AN525 10R22 Screw Comment: Qty.: 13.0000 Each(s)/Unit Total: 13.0000 Each(s) Screw batch: 35.0 Washer Comment: Qty.: 13.0000 Each(s)/Unit Total: 13.0000 Each(s) Washer batch: M105793 (or NAS1149D0332J) batch: 36.0 MS21042L3 Nut Comment: Qty.: 19.0000 Each(s)/Unit Total: 19.0000 Each(s) Nut batch: 37.0 AN35A Bolt Comment: Qty.: Total: 6.0000 Each(s) Bolt batch: 38.0 SMALL & MEDIUM FAB RESOURCE 1 SMALL FAB Comment: SMALL & MEDIUM FAB RESOURCE 1 1- install remaining parts as per dwg D412-769-1

W/O:		WORK ORDER CHANGES							
DATE STEP		PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector		

Part No: D412-769-043 PAR #: ____ Fault Category: Fod fine as med & Small NCR: (es) No DQA: D

Date: <u>전시성</u>3

QA: N/C Closed: 10 Date: 08/10/23

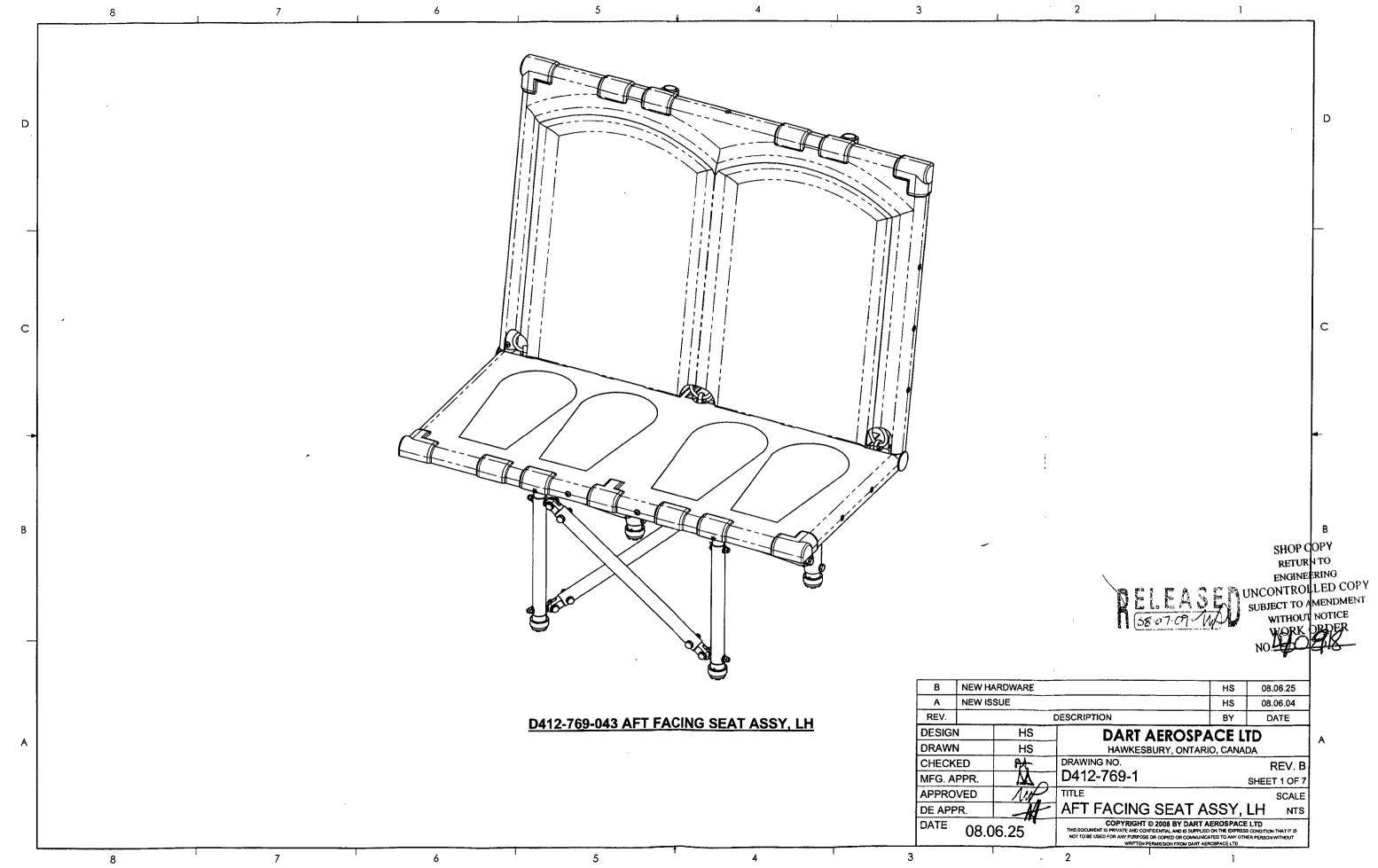
NCR: 40918		WORK ORDER NON-CONFORMANCE (NCR)							
		Description of NC	Corrective Action Section B			Verification Approval	Annroval		
DATE	STEP	Section A		t .	Approval Chief Eng	Approval QC Inspector			
08.10.16	38	Duering assembly employee Did not place the scat pani D3724-1 (Bottom) RC Humman errors/	0451 043- 08,10.16	Slot the four (4) side hules to 0.380" to allow Bult to go though.	EF 08/10/12		03.10.16	obloli	
		attention							

Date: Friday, 01/08/2008 10:46:19 AM User: Julie Lecocg **Process Sheet** Customer: CU-DAR001 Dart Helicopters Services Drawing Name: AFT FACING SEAT ASS'Y LH Job Number: 40918 Part Number: D412769043 Job Number: Seq. #: **Machine Or Operation: Description:** INSPECT WORK TO CURRENT STEP 39.0 QC5 Comment: INSPECT WORK TO CURRENT STEP PACKAGING 1 PACKAGING RESOURCE #1 40.0 Comment: PACKAGING RESOURCE #1 Identify and Stock PPP 40865 FINAL INSPECTION/W/O RELEASE 41.0 QC21 08/10/22 X Comment: FINAL INSPECTION/W/O RELEASE Job Completion

W/O:		WORK ORDER CH					
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
							-
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						_	
Part No	:	PAR #: Fault Category:	NCR: Yes	No DQA	۸:	_ Date: _	

QA: N/C Closed: ____ Date: ____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)								
		Description of NC		Corrective Action Section B				Ammerical		
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Verification Section C	Approval Chief Eng	Approval QC Inspector		
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ſ	ITEM NO.	PART NUMBER	DESCRIPTION	QTY. (-043)
	1	D3782-045	BACK LEG ASSY	2
Ī	2	D3782-041	FRONT INBOARD LEG ASSY	1
Ī	3	D3782-043	FRONT OUTBOARD LEG ASSY, LH	1
ſ	4	D3783-041	LATERAL BRACE ASSY	1
Ī	5	D3783-043	LONGITUDINAL BRACE ASSY	2
Ī	6	D3783-045	ANGLE BRACE ASSY	1
Ī	7	D3784-041	SEAT SUPPORT ASSY	1
ļ	8	D3784-043	SEAT SUPPORT ASSY, LH	1
-	9	D3784-044	SEAT SUPPORT ASSY, RH	1
ľ	10	D3766-1	FRONT RAIL, LH	1
	11	D3766-3	REAR RAIL	1
ľ	12	D3767-1	UPPER RAIL	1
Ī	13	D3792-1	SEAT BELT EYE BOLT	3
Ī	14	D3775-1	GUARD	2
	15	D3774-1	SEAT BOTTOM	1
	16	D3774-3	SEAT BACK	1
	17	AN3-5A	BOLT	6
Ī	18	AN4-15A	BOLT	2
	19	AN45-13A	EYE BOLT	1
	20	AN5-10A	BOLT	6
. [21	AN5-13A	BOLT	2
B	22	AN525-10R22	SCREW	13
B	23	AN525-10R24	SCREW	. 9
	24	MS21042L3	NUT	28
	25	MS21042L4	NUT	2
ſ	26	MS21042L5	NUT	12
	27	NAS1149D0332J	WASHER (AN960JD10L)	13
	28	NAS1149D0363J	WASHER (AN960JD10)	21
	29	NAS1149D0463J	WASHER (AN960JD416)	4
Ī	30	NAS1149D0568J	WASHER (AN960JD516)	20

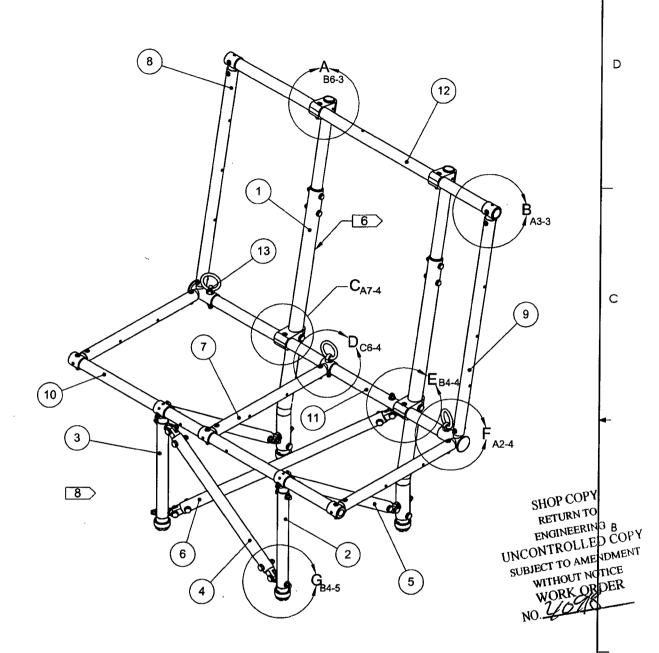
NOTES: 1) MATERIAL: N/A

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1) MATERIAL: N/A
2) FINISH: POWDER COAT ASSEMBLED SEAT "GREY SANDTEX" (4.3.5.6) PER DART QSI 005 4.3 PRIOR
TO INSTALLATION OF SEAT BOTTOM/BACK (D3774-1/-3). MASK FRONT LEGS PRIOR TO POWDER COAT.
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) IDENTIFICATION: IDENTIFY WITH D2729-1 RED DECAL ATTACHED TO BACK LEG ASSEMBLY (D3782-045)

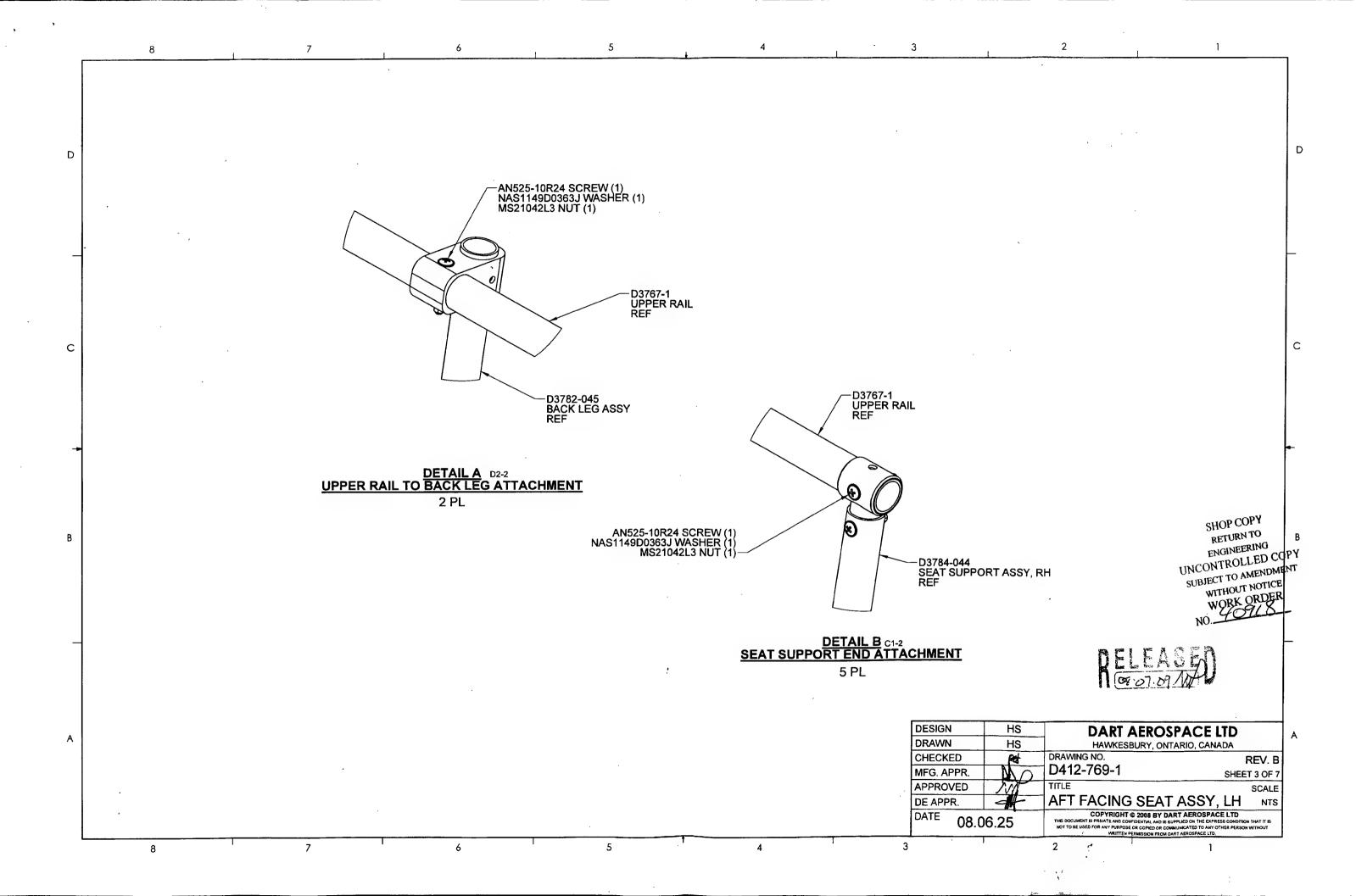
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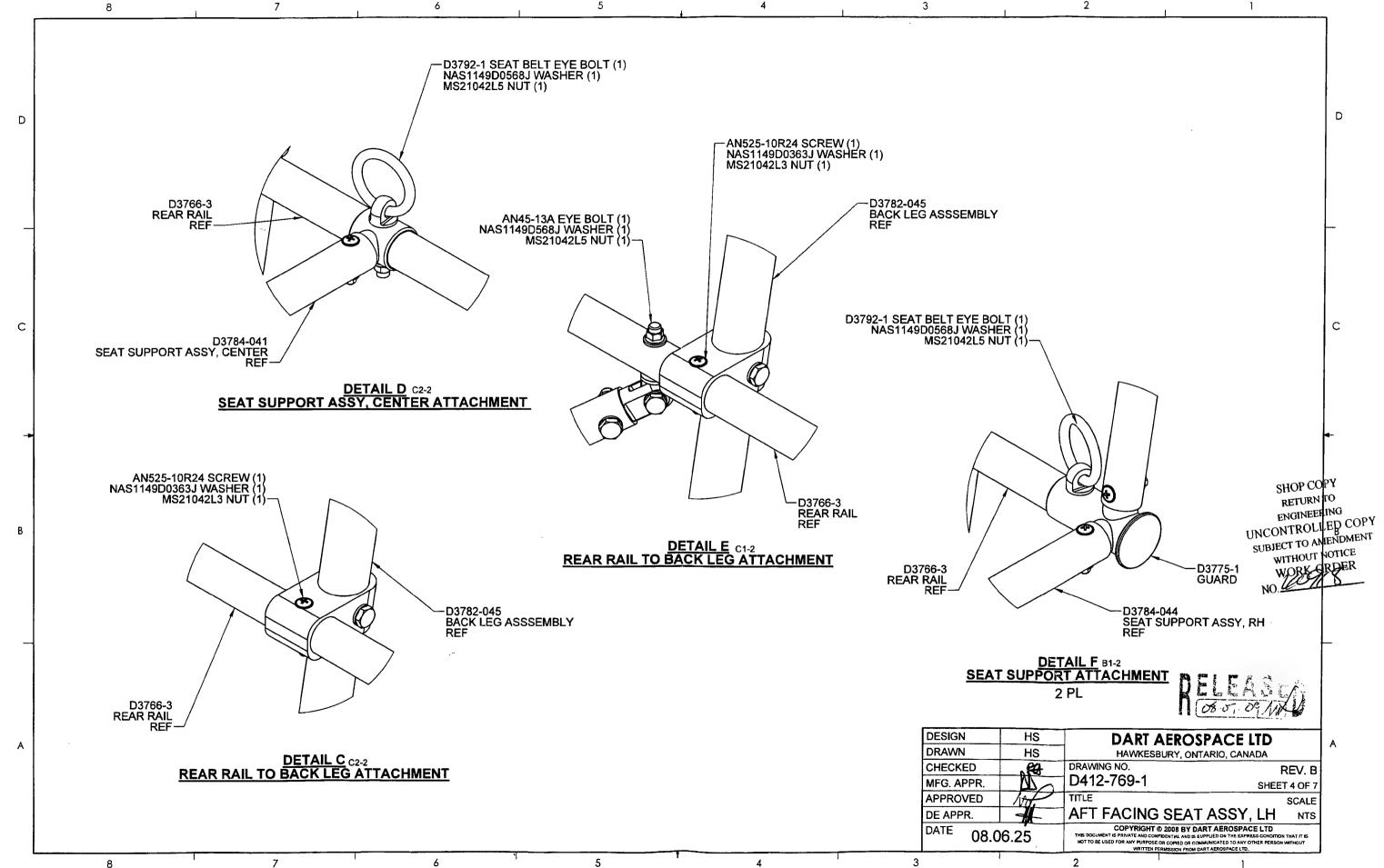
7) WEIGHT: 30.0 lbs 8) ITEM 15 (D3774-1 SEAT BOTTOM) AND ITEM 16 (D3774-3 SEAT BACK) REMOVED FOR CLARITY



D412-769-043 AFT FACING SEAT ASSY, LH

DESIGN	HS	DART AEROSPACE LTD
DRAWN	HS	HAWKESBURY, ONTARIO, CANADA
CHECKED	N REA	DRAWING NO. REV. B
MFG. APPR.		D412-769-1 SHEET 2 OF 7
APPROVED	11/10	TITLE SCALE
DE APPR.	-16	AFT FACING SEAT ASSY, LH NTS
DATE 08.0	16 25	COPYRIGHT @ 2008 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS



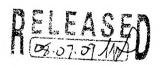


-- D3783-041 BRACE ASSEMBLY REF -D3782-041 FRONT INBOARD LEG ASSEMBLY REF AN5-10A BOLT (1) NAS1149D0568J WASHER (2) MS21042L5 NUT (1)-

> <u>DETAIL G</u>B2-2 BRACE ATTACHMENT 6 PL

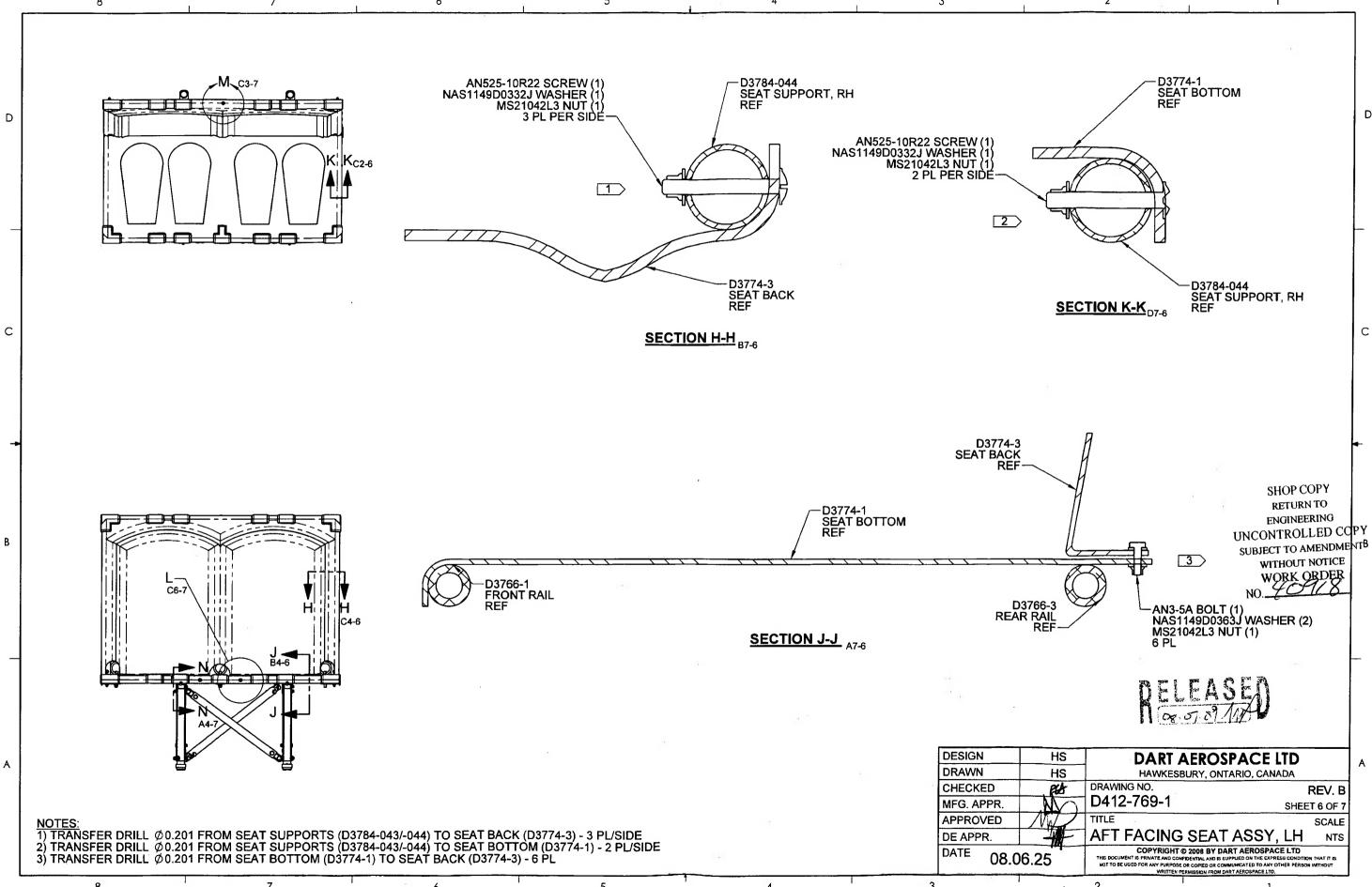
SHOP COPY
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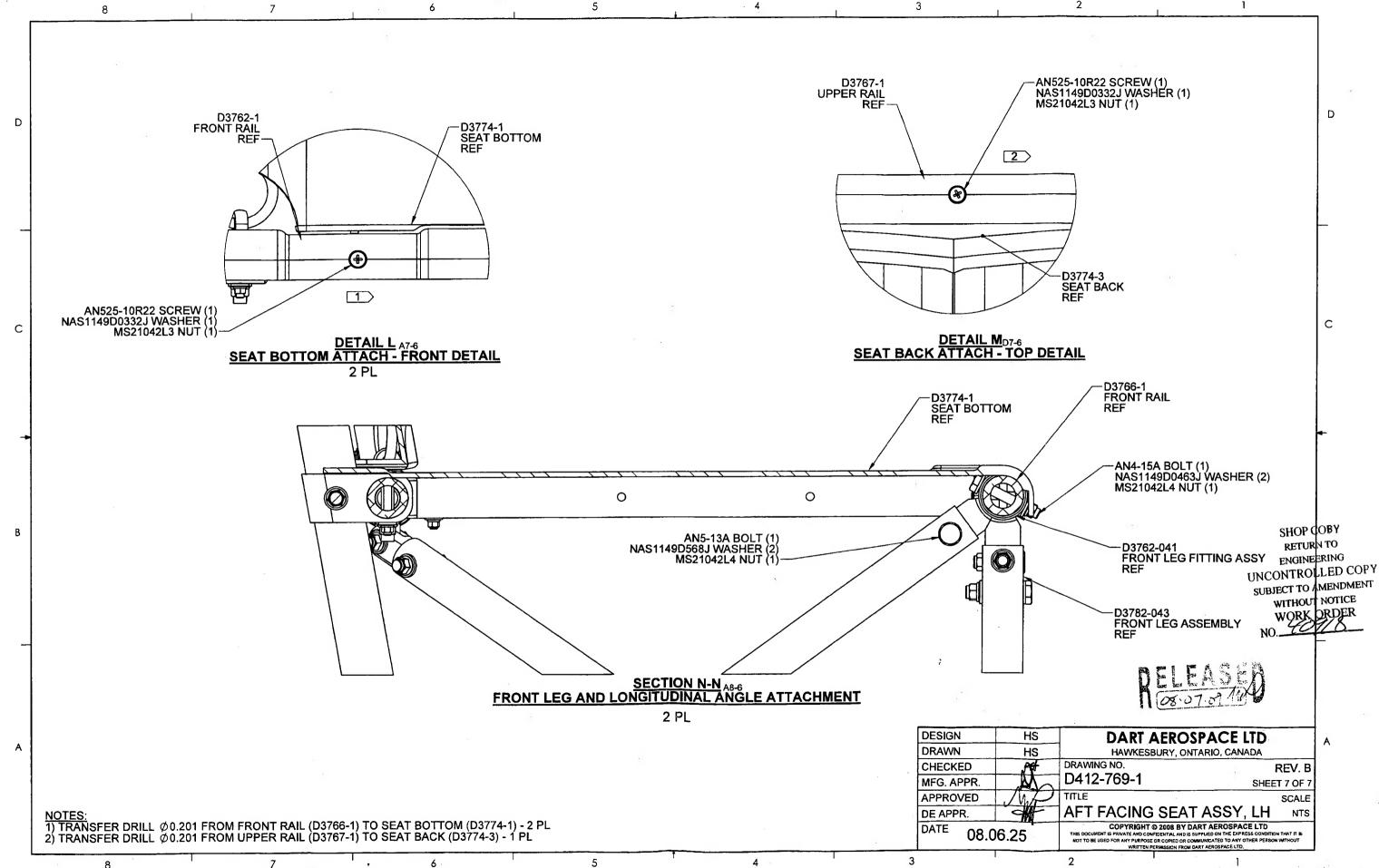
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DESIGN HS		DART AEROSPACE LTD				
DRAWN	HS	HAWKESBURY, ONTARIO, CANADA				
CHECKED	, 84	DRAWING NO. REV. B				
MFG. APPR.	24	D412-769-1 SHEET 5 OF 7				
APPROVED	10/	TITLE · SCALE				
DE APPR.	74	AFT FACING SEAT ASSY, LH NTS				
D.80	06.25	COPYRIGHT © 2008 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS MOT TO BE USED FOR ANY PURPOSE OR COMPLD OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DAST AEROSPACE LTD.				

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